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3 pages; a key to the genera, 2 pages; descriptions of the species with host plants, dates and localities, 85 pages; a Glossary, 3 pages; and Indexes to Host Plants and to the Species, 7 pages. The genera and number of species given are as follows: *Uromyces* 20, *Puccinia* 48, *Phragmidium* 5, *Ravenelia* 1, *Gymnosporangium* 1, *Cronartium* 1, *Melampsora* 4, *Coleosporium* 2, *Uredo* 1, *Cæoma* 2, *Æcidium* 42, and *Ræstelia* 2. Prof. Burrill describes the following species: *Uromyces* *Ænotheræ*, Burr., on *Æ. linifolia*; *U. Scirpi*, Burr., on *S. fluviatilis*; *U. graminicola*, Burr., on *Panicum virgatum* and *Elymus Virginicus*; *Puccinia tenuis*, Burr., on *Eupatorium ageratoides*; *P. Seymeriæ*, Burr., on *S. macrophylla*; *Melampsora Crotonis*, Burr., on *C. capitatum*, *C. monanthogynus* and *C. linearis*; *Æcidium Diodiæ*, Burr., on *D. teres*; *Æ. Myosotidis*, Burr. on *M. verna*; *Æ. Crotonopsidis*, Burr., on *C. linearis*; and *Æ. Trillii*, Burr., on *T. recurvatum*.

"THE MYCOLOGIC FLORA OF THE MIAMI VALLEY, Ohio." By A. P. Morgan. The Journal of the Cincinnati Society of Natural History, Vol. VIII, p. 91, continued from Vol. VII, p. 10.

This article of twenty pages contains the descriptions of the species of *Polyporus*, giving, as in the three preceding articles, a synoptical key by means of which the labor of identification is somewhat facilitated. There is one accompanying plate, of *P. delectans*, Peck. Prof. Morgan in these papers is doing good service in a most difficult field for which amateurs and beginners particularly will be very thankful. The preceding pamphlet of Prof. Burrill's belongs also to the same category.

"BEITRAEGE ZUR FLORA DER ROST UND BRANDPILZE (UREDINEEN USTILAGINEEN) THUERIGENS." Von G. Oertel. (Fortsetzung von Nr. 4, 5, p. 73.) Deutsche botanische Monatsschrift, III Jahr. Nr. 7—8.

"NEW BRITISH FUNGI." By M. C. Cooke. Grevillea, Sept. 1885.

"CALIFORNIAN FUNGI." By M. C. Cooke and W. H. Harkness, l. c.

"SOME EXOTIC FUNGI." By M. C. Cooke, l. c.

Eight described species from Australasia, seven from Southern Asia, one from South Africa, and four from North America. The latter are *Radulum concentricum*, Cke. & Ellis, on logs, Oregon; *Cytispora Smilacis*, Cke., on exposed roots of *Smilax*, Darien, Georgia. *Hysterium (Gloniella) syconophilum*, Cke., on living bark of *Ficus carica*, S. C.; and *Ailographum Arundinariæ*, Cke., on culms of *Arundinaria*, Darien, Georgia.

"THE MYXOMYCETES,—Their collection and preservation." By Geo. A. Rex. The Botanical Gazette, 1885, p. 290.

ERRATA.

On page 112, *Glœosporium punctiforme*, Sacc. & Ell. (No. 14) is, by some inexplicable oversight, only No. 29 duplicated under another specific name, and must therefore be cancelled.